Guodong Fu

List of Publications by Year
in descending order

72 papers	3,039 citations	196777 29 h-index	182931 54 g-index
73 all docs	73 docs citations	73 times ranked	4461 citing authors

#	Article	IF	Citations
1	Synthesis and properties of <scp>lowâ€cost</scp>, photochromic transparent hydrogel based on ethalineâ€assisted binary tungsten <scp>oxideâ€molybdenum</scp> oxide nanocomposite for optical memory applications. Polymers for Advanced Technologies, 2022, 33, 687-699.	1.6	11
2	Intrinsic structural/morphological and photochromic responses of WO₃ co-doped MoO₃ nanocomposites based on varied drying methods. Drying Technology, 2022, 40, 2321-2334.	1.7	6
3	Transparent and photochromic poly(hydroxyethyl acrylateâ€“acrylamide)/<scp>WO₃</scp> hydrogel with antibacterial properties against bacterial keratitis in contact lens. Journal of Applied Polymer Science, 2022, 139, .	1.3	11
4	Process of metalâ€“organic framework (MOF)/covalentâ€“organic framework (COF) hybrids-based derivatives and their applications on energy transfer and storage. Nanoscale, 2022, 14, 1679-1699.	2.8	60
5	Template synthesis and characterization of photochromic tungsten trioxide nanofibers. Journal of Materials Science: Materials in Electronics, 2022, 33, 7371-7379.	1.1	4
6	A novel nature-inspired anisotropic hydrogel with programmable shape deformations. Chemical Engineering Journal, 2022, 450, 137908.	6.6	10
7	Quaternary type IV deep eutectic solvent-based tungsten oxide/niobium oxide photochromic and reverse fading composite complex. New Journal of Chemistry, 2021, 45, 18008-18018.	1.4	6
8	A Multiâ€Functional and Rapid Responsive Photochromic Hydrogel for UV Indicators. Macromolecular Chemistry and Physics, 2021, 222, 2000427.	1.1	4
9	Reroute green synthesis of hexagonal and triclinic nanostructured cerium oxide: morphology and optical properties. Journal of Materials Science: Materials in Electronics, 2021, 32, 16324-16334.	1.1	4
10	Photochromic property of ternary transition metal oxide nanocomposite prepared with co-solvated deep eutectic mixtures. Research on Chemical Intermediates, 2021, 47, 3807-3823.	1.3	6
11	Development of oxidized hydroxyethyl cellulose-based hydrogel enabling unique mechanical, transparent and photochromic properties for contact lenses. International Journal of Biological Macromolecules, 2021, 183, 1162-1173.	3.6	17
12	Facile Green Synthesis of New Chitosan-Metal Nanoparticles as Nano-Agrofungicide For The Preservation of Postharvest Cherry Fruits. ACS Agricultural Science and Technology, 2021, 1, 664-673.	1.0	8
13	Durable, self-healing superhydrophobic nanofibrous membrane with self-cleaning ability for highly-efficient oily wastewater purification. Journal of Membrane Science, 2021, 634, 119402.	4.1	132
14	Nature-inspired chemistry toward hierarchical superhydrophobic, antibacterial and biocompatible nanofibrous membranes for effective UV-shielding, self-cleaning and oil-water separation. Journal of Hazardous Materials, 2020, 384, 121476.	6.5	240
15	Biomimetic Durable Multifunctional Self-Cleaning Nanofibrous Membrane with Outstanding Oil/Water Separation, Photodegradation of Organic Contaminants, and Antibacterial Performances. ACS Applied Materials & Interfaces, 2020, 12, 34999-35010.	4.0	202
16	Self-healing hydrogels. , 2020, , 369-423.		1
17	Multifunctional metal-organic frameworks in oil spills and associated organic pollutant remediation. Environmental Science and Pollution Research, 2020, 27, 42346-42368.	2.7	14
18	PEGMA-modified bimetallic NiCo Prussian blue analogue doped with Tb(III) ions: Efficiently pH-responsive and controlled release system for anticancer drug. Chemical Engineering Journal, 2020, 389, 124468.	6.6	68

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19	Self-Healing and Superwettable Nanofibrous Membranes with Excellent Stability toward Multifunctional Applications in Water Purification. ACS Applied Materials & Interfaces, 2020, 12, 23644-23654.	4.0	86
20	Bimetallic MnCo oxide nanohybrids prepared from Prussian blue analogue for application as impedimetric aptasensor carrier to detect myoglobin. Chemical Engineering Journal, 2020, 395, 125117.	6.6	34
21	Water as DES-cosolvent on the morphology tuning and photochromic enhancement of tungsten oxide-molybdenum oxide nanocomposite. Journal of Industrial and Engineering Chemistry, 2019, 80, 1-10.	2.9	22
22	Sunlight-driven photochromic hydrogel based on silver bromide with antibacterial property and non-cytotoxicity. Chemical Engineering Journal, 2019, 375, 121994.	6.6	29
23	Flexible, durable and magnetic nanofibrous membrane with pH-switchable wettability for efficient on-demand oil/water separation. Environmental Science: Nano, 2019, 6, 3699-3711.	2.2	53
24	Facile synthesis and study of the photochromic properties of deep eutectic solvent-templated cuboctahedral-WO3/MoO3 nanocomposites. Superlattices and Microstructures, 2019, 125, 103-112.	1.4	23
25	Fabrication of highly durable and robust superhydrophobic-superoleophilic nanofibrous membranes based on a fluorine-free system for efficient oil/water separation. Journal of Membrane Science, 2019, 570-571, 303-313.	4.1	196
26	Characterization of Xanthan gum-based hydrogel with Fe3+ ions coordination and its reversible sol-gel conversion. Carbohydrate Polymers, 2019, 203, 139-147.	5.1	88
27	Glycogen-based self-healing hydrogels with ultra-stretchable, flexible, and enhanced mechanical properties via sacrificial bond interactions. International Journal of Biological Macromolecules, 2018, 117, 648-658.	3.6	29
28	Multifaceted polymeric materials in threeâ€dimensional processing (3DP) technologies: Current progress and prospects. Polymers for Advanced Technologies, 2018, 29, 1586-1602.	1.6	8
29	Hydroxyethyl cellulose-based self-healing hydrogels with enhanced mechanical properties via metal-ligand bond interactions. European Polymer Journal, 2018, 100, 219-227.	2.6	71
30	Dual ionic cross-linked double network hydrogel with self-healing, conductive, and force sensitive properties. Polymer, 2018, 144, 111-120.	1.8	125
31	Template method for dual network self-healing hydrogel with conductive property. Materials and Design, 2018, 148, 96-103.	3.3	56
32	A Conductive Selfâ€Healing Double Network Hydrogel with Toughness and Force Sensitivity. Chemistry - A European Journal, 2018, 24, 6632-6638.	1.7	45
33	Facile fabrication of graphene-based aerogel with rare earth metal oxide for water purification. Applied Surface Science, 2018, 427, 779-786.	3.1	37
34	Polysaccharide-templated preparation of mechanically-tough, conductive and self-healing hydrogels. Chemical Engineering Journal, 2018, 334, 2222-2230.	6.6	103
35	Optimization method for blue Sr2MgSi2O7:Eu2+, Dy3+ phosphors produced by microwave synthesis route. Journal of Alloys and Compounds, 2018, 737, 39-45.	2.8	28
36	Nature-inspired creation of a robust free-standing electrospun nanofibrous membrane for efficient oilâ€“water separation. Environmental Science: Nano, 2018, 5, 2909-2920.	2.2	73

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37	Characterization and study of luminescence enhancement behaviour of alginate-based hydrogels. New Journal of Chemistry, 2018, 42, 17486-17491.	1.4	4
38	Enhancing the mechanical properties and self-healing efficiency of hydroxyethyl cellulose-based conductive hydrogels via supramolecular interactions. European Polymer Journal, 2018, 105, 85-94.	2.6	55
39	Facile and cost-effective synthesis of glycogen-based conductive hydrogels with extremely flexible, excellent self-healing and tunable mechanical properties. International Journal of Biological Macromolecules, 2018, 118, 1463-1469.	3.6	13
40	Self-recoverable and mechanical-reinforced hydrogel based on hydrophobic interaction with self-healable and conductive properties. Chemical Engineering Journal, 2018, 353, 900-910.	6.6	69
41	Lanthanide ions-induced formation of hierarchical and transparent polysaccharide hybrid films. Carbohydrate Polymers, 2017, 163, 28-33.	5.1	7
42	Zinc ionâ€induced formation of hierarchical Nâ€succinyl chitosan film. Journal of Applied Polymer Science, 2017, 134, .	1.3	3
43	High elasticity, strength, and biocompatible amphiphilic hydrogel via click chemistry and ferric ion coordination. Polymers for Advanced Technologies, 2017, 28, 1065-1070.	1.6	7
44	Bio-inspired and lanthanide-induced hierarchical sodium alginate/graphene oxide composite paper with enhanced physicochemical properties. Composites Science and Technology, 2017, 145, 62-70.	3.8	23
45	Preparation of mechanically-tough and thermo-responsive polyurethane-poly(ethylene glycol) hydrogels. Reactive and Functional Polymers, 2017, 117, 81-88.	2.0	17
46	Green synthesis of oriented xanthan gumâ€“graphene oxide hybrid aerogels for water purification. Carbohydrate Polymers, 2017, 174, 392-399.	5.1	56
47	Zinc ions enhanced nacre-like chitosan/graphene oxide composite film with superior mechanical and shape memory properties. Chemical Engineering Journal, 2017, 321, 502-509.	6.6	44
48	Sodium Alginate/Carboxyl-Functionalized Graphene Composite Hydrogel Via Neodymium Ions Coordination. Journal of Materials Science and Technology, 2017, 33, 821-826.	5.6	28
49	Hierarchical xanthan gum/graphene oxide nanocomposite film induced by ferric ions coordination. Materials and Design, 2017, 113, 232-239.	3.3	29
50	A label-free multi-functionalized electrochemical aptasensor based on a Fe3O4@3D-rGO@plasma-polymerized (4-vinyl pyridine) nanocomposite for the sensitive detection of proteins in whole blood. Electrochimica Acta, 2016, 212, 1-9.	2.6	11
51	Antibacterial poly(ethylene glycol) hydrogels from combined epoxyâ€amine and thiolâ€ene click reaction. Journal of Polymer Science Part A, 2016, 54, 656-667.	2.5	31
52	High mechanical strength and stability of alginate hydrogel induced by neodymium ions coordination. Polymer Degradation and Stability, 2016, 133, 1-7.	2.7	17
53	Wellâ€Ðefined Poly(ethylene glycol) Hydrogels with Enhanced Mechanical Performance Prepared by Thermally Induced Copperâ€Catalyzed Azideâ€“Alkyne Cycloaddition. Macromolecular Materials and Engineering, 2016, 301, 1374-1382.	1.7	15
54	Hierarchical alginate biopolymer papers produced via lanthanide ion coordination. RSC Advances, 2016, 6, 63171-63177.	1.7	13

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55	Hydrogels of chemically cross-linked and organ-metallic complexed interpenetrating PEG networks. Chinese Journal of Polymer Science (English Edition), 2016, 34, 637-648.	2.0	3
56	Synthesis, characterization and chondrocyte culture of polyhedral oligomeric silsesquioxane (POSS)-containing hybrid hydrogels. RSC Advances, 2016, 6, 23471-23478.	1.7	18
57	Preparation of well-defined fibrous hydrogels via electrospinning and in situ â€œclick chemistryâ€• RSC Advances, 2016, 6, 27871-27878.	1.7	7
58	Well-defined and biocompatible hydrogels with toughening and reversible photoresponsive properties. Soft Matter, 2016, 12, 2192-2199.	1.2	20
59	A feasible synthesis of Mn 3 (PO 4) 2 @BSA nanoflowers and its application as the support nanomaterial for Pt catalyst. Journal of Power Sources, 2015, 284, 170-177.	4.0	50
60	Electrochemical aptasensor based on one-step synthesis of Cu2O@aptamer nanospheres for sensitive thrombin detection. Sensors and Actuators B: Chemical, 2015, 220, 184-191.	4.0	21
61	Three-dimensional molecular geometry of PEG hydrogels by an â€œexpansion-contractionâ€•method through Monte Carlo simulations. Chinese Journal of Polymer Science (English Edition), 2015, 33, 721-731.	2.0	4
62	PEGylated Metalloporphyrin Nanoparticles as a Promising Catalyst for the Heterogeneous Oxidation of Cyclohexene in Water. Macromolecular Chemistry and Physics, 2015, 216, 417-426.	1.1	6
63	Synthesis of fluorescent dye-doped silica nanoparticles for target-cell-specific delivery and intracellular MicroRNA imaging. Analyst, The, 2015, 140, 567-573.	1.7	27
64	Hairy fluorescent nanoparticles from oneâ€pot click chemistry and atom transfer radical emulsion polymerization. Polymer International, 2014, 63, 237-243.	1.6	5
65	High strength biocompatible PEG single-network hydrogels. RSC Advances, 2014, 4, 25241-25250.	1.7	16
66	Cyclodextrin-functionalized graphene nanosheets, and their host-guest polymer nanohybrids. Polymer, 2013, 54, 2264-2271.	1.8	30
67	One-pot synthesis of photosensitive dendrimer-like polystyrenes from simultaneous copper(I)-catalyzed azide-alkyne cycloaddition and atom transfer radical polymerization. Polymer International, 2012, 61, 749-759.	1.6	3
68	Thermoâ€sensitive electrospun fibers prepared by a sequential thiolâ€ene click chemistry approach. Journal of Polymer Science Part A, 2012, 50, 4182-4190.	2.5	36
69	Preparation of Fluorescent Organometallic Porphyrin Complex Nanogels of Controlled Molecular Structure via Reverseâ€Emulsion Click Chemistry. Macromolecular Rapid Communications, 2012, 33, 1523-1527.	2.0	24
70	Reduction of Graphene Oxide by Aniline with Its Concomitant Oxidative Polymerization. Macromolecular Rapid Communications, 2011, 32, 684-688.	2.0	135
71	Hollow polymeric nanostructuresâ€”Synthesis, morphology and function. Progress in Polymer Science, 2011, 36, 127-167.	11.8	175
72	Antibacterial effect of surface-functionalized polypropylene hollow fiber membrane from surface-initiated atom transfer radical polymerization. Journal of Membrane Science, 2008, 319, 149-157.	4.1	107